

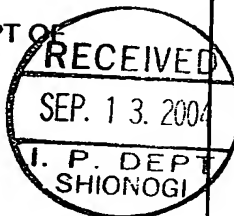
PATENT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF
RECORD COPY

(PCT Rule 24.2(a))

Rec. No.	
Case No.	03P00031WO
Name	SHIONOGI
Response	



From the INTERNATIONAL BUREAU

To:

YAMAUCHI, Hideaki
Shionogi & Co., Ltd.
Intellectual Property Department
12-4, Sagisu 5-chome
Fukushima-ku, Osaka-shi
Osaka 553-0002
Japan

Date of mailing (day/month/year) 02 September 2004 (02.09.2004)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 03P00031WO	International application No. PCT/JP2004/010697

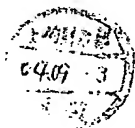
The applicant is hereby notified that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

SHIONOGI & CO., LTD. (for all designated States except US)
WATANABE, Fumihiko et al (for US)

International filing date : 28 July 2004 (28.07.2004)
Priority date(s) claimed : 30 July 2003 (30.07.2003)
Date of receipt of the record copy
by the International Bureau : 12 August 2004 (12.08.2004)
List of designated Offices :

AP : BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW
EA : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
EP : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR
OA : BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG
National : AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW



<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. (41-22) 338.70.10</p>	<p>Authorized officer:</p> <p>M. CHEVALLAY WORLEY (Fax 338 7011)</p> <p>Telephone No. (41-22) 338 8859</p>
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Continuation of Form PCT/IB/301

NOTIFICATION OF RECEIPT OF RECORD COPY

Date of mailing (day/month/year) 02 September 2004 (02.09.2004)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 03P00031WO	International application No. PCT/JP2004/010697

ATTENTION

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- ☒ time limits for entry into the national phase - see updated important information (as of April 2002)
- ☒ requirements regarding priority documents (if applicable)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

PATENT COOPERATION TREATY

PCT

RECEIVED

OCT. 12. 2004

I. P. DEPT
SHIONOGI

From the INTERNATIONAL BUREAU

To:

YAMAUCHI, Hideaki
Shionogi & Co., Ltd.
Intellectual Property Department
12-4, Sagisu 5-chome
Fukushima-ku, Osaka-shi
Osaka 553-0002
Japan

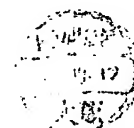
NOTIFICATION CONCERNING
SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year) 29 September 2004 (29.09.2004)	Japan Rec. No. Case No. 03P00031WO A18
Applicant's or agent's file reference 03P00031WO	IMPORTANT NOTIFICATION
International application No. PCT/JP2004/010697	International filing date (day/month/year) 28 July 2004 (28.07.2004)
International publication date (day/month/year) Not yet published	Priority date (day/month/year) 30 July 2003 (30.07.2003)
Applicant SHIONOGI & CO., LTD. et al	

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- (If applicable) The letters "NR" appearing in the right-hand column denote a **priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau** under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office or the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, **the attention of the applicant is directed** to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a **priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b)** (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the International Bureau will nevertheless transmit a copy of the document to the designated Offices, for their consideration. In case such a copy is not accepted by the designated Office as priority document, Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

<u>Priority date</u>	<u>Priority application No.</u>	<u>Country or regional Office or PCT receiving Office</u>	<u>Date of receipt of priority document</u>
30 July 2003 (30.07.2003)	2003-282354	JP	16 Sept 2004 (16.09.2004)



The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

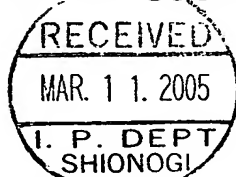
Eric SANSON (Fax 338 7010)

Facsimile No. (41-22) 338.70.10

Telephone No. (41-22) 338 9999

PATENT COOPERATION TREATY

PCT



From the INTERNATIONAL BUREAU

FIRST NOTICE INFORMING THE APPLICANT OF
THE COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES WHICH
DO NOT APPLY THE 30 MONTH TIME LIMIT
UNDER ARTICLE 22(1))

To:

YAMAUCHI, Hideaki
Shionogi & Co., Ltd.
Intellectual Property Department
12-4, Sagisu 5-chome
Fukushima-ku, Osaka-shi
Osaka 553-0002
JAPON

(PCT Rule 47.1(c))

Date of mailing (day/month/year) 03 March 2005 (03.03.2005)		
Applicant's or agent's file reference 03P00031WO		
IMPORTANT NOTICE		
International application No. PCT/JP2004/010697	International filing date (day/month/year) 28 July 2004 (28.07.2004)	Priority date (day/month/year) 30 July 2003 (30.07.2003)
Applicant SHIONOGI & CO., LTD. et al		

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
10 February 2005.(10.02.2005)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

LU, SE, TZ, UG, ZM

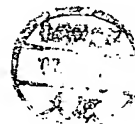
In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of 19 months from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be 20 MONTHS from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pc/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.



The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Masashi Honda
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 70 10

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU



PCT

SECOND AND SUPPLEMENTARY NOTICE
INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES
WHICH APPLY THE 30 MONTH TIME
LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

YAMAUCHI, Hideaki
Shionogi & Co., Ltd.
Intellectual Property Department
12-4, Sagisu 5-chome
Fukushima-ku, Osaka-shi
Osaka 553-0002
JAPON

Rec. No.	
Case No.	03P00031WO
Name	高橋
Response	

IMPORTANT NOTICE

Date of mailing (day/month/year) 01 December 2005 (01.12.2005)			
Applicant's or agent's file reference 03P00031WO			
International application No. PCT/JP2004/010697	International filing date (day/month/year) 28 July 2004 (28.07.2004)	Priority date (day/month/year) 30 July 2003 (30.07.2003)	
Applicant SHIONOGI & CO., LTD. et al			

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does not apply**, please see Form PCT/IB/308(First Notice) issued previously.

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
10 February 2005 (10.02.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, SC, SD, SG, SK, SL, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. **TIME LIMITS for entry into the national phase**

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For **regular updates on the applicable time limits** (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's **sole responsibility** to monitor all these time limits.



The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Masashi Honda

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 70 10

特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

0	受理官庁記入欄	
0-1	国際出願番号	
0-2	国際出願日	
0-3	(受付印)	
0-4	様式-PCT/RO/101 この特許協力条約に基づく国際出願願書は、	
0-4-1	右記によって作成された。	JPO-PAS 0320
0-5	申立て 出願人は、この国際出願が特許協力条約に従って処理されることを請求する。	
0-6	出願人によって指定された受理官庁	日本国特許庁 (RO/JP)
0-7	出願人又は代理人の書類記号	03P00031WO
I	発明の名称	イソオキサゾール環を有するスルホンアミド誘導体
II	出願人	
II-1	この欄に記載した者は	出願人である (applicant only)
II-2	右の指定国についての出願人である。	米国を除く全ての指定国 (all designated States except US)
II-4ja	名称	塩野義製薬株式会社
II-4en	Name:	Shionogi & Co., Ltd.
II-5ja	あて名	5410045 日本国
II-5en	Address:	大阪府大阪市中央区道修町3丁目1番8号 1-8, Doshomachi 3-chome, Chuo-ku, Osaka-shi, Osaka 5410045 Japan
II-6	国籍(国名)	日本国 JP
II-7	住所(国名)	日本国 JP
II-8	電話番号	06-6202-2161
II-9	ファクシミリ番号	06-6205-8810
II-11	出願人登録番号	000001926

特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

III-1	その他の出願人又は発明者	
III-1-1	この欄に記載した者は	出願人及び発明者である (applicant and inventor)
III-1-2	右の指定国についての出願人である。	米国のみ (US only)
III-1-4ja	氏名(姓名)	渡邊文彦
III-1-4en	Name (LAST, First):	WATANABE Fumihiko
III-1-5ja	あて名	5530002
		日本国
		大阪府大阪市福島区鷺洲5丁目12番4号 塩野義製薬株式会社内
III-1-5en	Address:	c/o Shionogi & Co., Ltd. 12-4, Sagisu 5-chome, Fukushima-ku, Osaka-shi, Osaka
		5530002
		Japan
III-1-6	国籍(国名)	日本国 JP
III-1-7	住所(国名)	日本国 JP
III-2	その他の出願人又は発明者	
III-2-1	この欄に記載した者は	出願人及び発明者である (applicant and inventor)
III-2-2	右の指定国についての出願人である。	米国のみ (US only)
III-2-4ja	氏名(姓名)	吉川直樹
III-2-4en	Name (LAST, First):	YOSHIKAWA Naoki
III-2-5ja	あて名	5530002
		日本国
		大阪府大阪市福島区鷺洲5丁目12番4号 塩野義製薬株式会社内
III-2-5en	Address:	c/o Shionogi & Co., Ltd. 12-4, Sagisu 5-chome, Fukushima-ku, Osaka-shi, Osaka
		5530002
		Japan
III-2-6	国籍(国名)	日本国 JP
III-2-7	住所(国名)	日本国 JP

特許協力条約に基づく国際出願願書

紙面による写し (注意: 電子データが原本となります)

III-3	その他の出願人又は発明者	出願人及び発明者である (applicant and inventor) 米国のみ (US only) 田村嘉則 TAMURA Yoshinori 5530002 日本国 大阪府大阪市福島区鷺洲5丁目12番4号 塩野義製薬株式会社内 c/o Shionogi & Co., Ltd. 12-4, Sagisu 5-chome, Fukushima-ku, Osaka-shi, Osaka 5530002 Japan
III-3-1	この欄に記載した者は	
III-3-2	右の指定国についての出願人である。	
III-3-4ja	氏名(姓名)	
III-3-4en	Name (LAST, First):	
III-3-5ja	あて名	
III-3-5en	Address:	
III-3-6	国籍(国名)	日本国 JP
III-3-7	住所(国名)	日本国 JP
IV-1	代理人又は共通の代表者、通知のあて名 下記の者は国際機関において右記のごとく出願人のために行動する。	代理人 (agent) 山内秀晃 YAMAUCHI Hideaki 5530002 日本国 大阪府大阪市福島区鷺洲5丁目12番4号 塩野義製薬株式会社 知的財産部 Shionogi & Co., Ltd. Intellectual Property Department 12-4, Sagisu 5-chome, Fukushima-ku, Osaka-shi, Osaka 5530002 Japan 06-6455-2056 06-6458-3702 100108970
IV-1-1ja	氏名(姓名)	
IV-1-1en	Name (LAST, First):	
IV-1-2ja	あて名	
IV-1-2en	Address:	
IV-1-3	電話番号	
IV-1-4	ファクシミリ番号	
IV-1-6	代理人登録番号	100108970
IV-2	その他の代理人	筆頭代理人と同じあて名を有する代理人 (additional agent(s) with the same address as first named agent) 杉田健一 (100113789) SUGITA Ken-ichi (100113789)
IV-2-1ja	氏名	
IV-2-1en	Name(s)	
V	国の指定	
V-1	この願書を用いてされた国際出願は、規則4.9(a)に基づき、国際出願の時点で拘束される全てのPCT締約国を指定し、取得しうるあらゆる種類の保護を求め、及び該当する場合には広域と国内特許の両方を求める国際出願となる。	
VI-1	先の国内出願に基づく優先権主張	2003年 07月 30日 (30.07.2003) 2003-282354 日本国 JP
VI-1-1	出願日	
VI-1-2	出願番号	
VI-1-3	国名	

特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

VI-2	優先権証明書送付の請求 上記の先の出願のうち、右記の番号のものについては、出願書類の認証謄本を作成し国際事務局へ送付することを、受理官庁に対して請求している。	VI-1	
VII-1	特定された国際調査機関(ISA)	日本国特許庁 (ISA/JP)	
VIII	申立て	申立て数	
VIII-1	発明者の特定に関する申立て	—	
VIII-2	出願し及び特許を与えられる国際出願日における出願人の資格に関する申立て	—	
VIII-3	先の出願の優先権を主張する国際出願日における出願人の資格に関する申立て	—	
VIII-4	発明者である旨の申立て(米国を指定国とする場合)	—	
VIII-5	不利にならない開示又は新規性喪失の例外に関する申立て	—	
IX	照合欄	用紙の枚数	添付された電子データ
IX-1	願書(申立てを含む)	5	✓
IX-2	明細書	87	✓
IX-3	請求の範囲	7	✓
IX-4	要約	1	✓
IX-5	図面	0	✓
IX-7	合計	100	
IX-8	添付書類 手数料計算用紙	添付	添付された電子データ
IX-17	PCT-SAFE 電子出願	—	✓
IX-19	要約書とともに提示する図の番号	—	
IX-20	国際出願の使用言語名	日本語	
X-1	出願人、代理人又は代表者の記名押印	/100108970/	
X-1-1	氏名(姓名)	山内秀晃	
X-1-2	署名者の氏名		
X-1-3	権限		
X-2	出願人、代理人又は代表者の記名押印	/100113789/	
X-2-1	氏名(姓名)	杉田健一	
X-2-2	署名者の氏名		
X-2-3	権限		

特許協力条約に基づく国際出願願書

紙面による写し(注意:電子データが原本となります)

受理官庁記入欄

10-1	国際出願として提出された書類の実際の受理の日	
10-2	図面	
10-2-1	受理された	
10-2-2	不足図面がある	
10-3	国際出願として提出された書類を補完する書類又は図面であってその後期間内に提出されたものの実際の受理の日(訂正日)	
10-4	特許協力条約第11条(2)に基づく必要な補完の期間内の受理の日	
10-5	出願人により特定された国際調査機関	ISA/JP
10-6	調査手数料未払いにつき、国際調査機関に調査用写しを送付していない	

国際事務局記入欄

11-1	記録原本の受理の日	
------	-----------	--